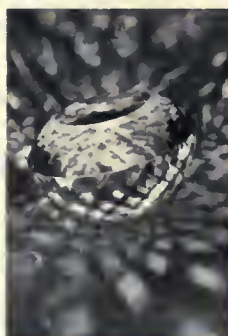


NATURAL HISTORY SERVICE

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"Field Museum is a museum-goer's
museum at its best."
New York Times, October 21, 1979

Building For A New Decade

The 1980s clearly will be a new era for Field Museum, and in this report we will dwell briefly on where the Museum has been and, more important, where it is going.

If the decade of the 1970s were categorized, it would be called "the building era." It took almost ten years to go to the friends of Field Museum, tell them of the need to rehabilitate the 50-year-old building, raise the \$25 million required, and complete one of the most extensive museum-renovation programs undertaken in this country. During this time, the Museum was kept open to the public — although with temporary entrances and with exhibition halls closed and opened in sequence as craftsmen moved through them. Literally millions of specimens were moved into modern collection-storage facilities as added space became available; classrooms and a new cafeteria were opened; and scientific laboratories, a new education department, and administrative areas came into use.

By the end of the decade, the Field Museum building, modernized, was one of the world's finest museum facilities — for exhibition, for collection preservation and study, and for public programs. Energies next were directed toward the Museum's reason for being — the programs of science, education, and exhibition.

In the long run, the quality and stature of a museum depend in large measure on the intellectual capacity of its curatorial staff. Although additional scientific personnel are needed in many areas of Field Museum, given the financial exigencies of the times, it is likely that Field Museum will find it prudent to concentrate on maintaining and increasing excellence rather than on increasing numbers of personnel.

A great museum is one of the few institutions of an educational or cultural nature that offers a lifetime association to the individual citizen. That association can enlarge horizons, enrich a life, and ultimately, even lead to a professional commitment. The key to such association is the public programs offered to both children and adults. Since Field Museum's building renovation was completed, a wide variety of programs has been developed, making the Museum a center of intellectual activity for thousands of people. Enlargement and diversification of such offerings, which once started, are largely self-funding through participation fees, must be a high priority for the 1980s.

To the vast majority of the public, Field Museum is its exhibition halls. The collections are world renowned; thus the objects on exhibition are of the highest quality. Many of the exhibits themselves, however, do not meet the same high standards. One of the most important priorities of the decade ahead must be exhibit renewal. An exhibit master plan was developed in the 1970s, and the first major exhibition project planned therein is underway.

It is a temptation to attribute all institutional problems and lacunae to lack of funds. Clearly this is escapism; however, the economic climate of the times does permit ample room for such attribution.

In 1950, Field Museum derived its income almost entirely from two sources: endowment income and Chicago Park District tax support. In 1980, the income was widely diversified: from tax sources — local, state, and federal; from contributions — corporate, foundation, and individual; and from earned income — admissions, sales, and services. Inflation is wreaking havoc with the finances of all nonprofit institutions, Field Museum included. An intense effort must be made in financial planning and resource development to meet projected financial needs.

Important changes in administrative staff have been made in the last two years. The President and Director, E. Leland Webber, indicated his desire to retire in 1981. After careful study, the Trustees restructured the office of the chief executive by appointment of a Director as chief operating officer responsible for the day-to-day internal operations of the Museum, and a President as chief executive officer responsible for long-range planning, development, and external relations, including government relations. Dr. Lorin I. Nevling, Jr., Assistant Director, Science and Education, and a member of Field Museum's staff since 1973, was appointed Director on May 20, 1980. In early 1981 Dr. Willard L. Boyd, the distinguished President of the University of Iowa, was appointed President of Field Museum, effective September 1, 1981. Other senior appointments during the biennium were Mr. Thomas R. Sanders, formerly Planning and Development Officer, as Vice President, Development, and Dr. David M. Raup, formerly Chairman, Department of Geology, as Dean of Science. This strong senior administrative team will serve the Museum well in the years ahead.

Field Museum is strong. Its staff is talented and dedicated to the Museum, whether it be the newest security officer or the most senior curator. The Board of Trustees is a working and committed Board. The relationship between Board and staff is one of trust, cooperation, and mutual respect.

We look ahead to this decade, and beyond to Field Museum's centennial in 1993, confident that Board and staff, working together with donors and various levels of government, will solve the financial problems facing them. Given the critical and necessary financial base, Field Museum will grow in distinction and in service to science and society.

Field Museum during the past two years offered much that was new and, in turn, benefitted from the growing involvement of tens of thousands of people who took part in these programs and who were concerned with the Museum's well-being.

These programs were made possible, in part, by public and private contributions. Historically strong support from the Chicago Park District and the federal government — primarily through the National Science Foundation, the National Endowment for the Humanities, and the National Endowment for the Arts — is now being complemented by modest, but critically important, appropriations from the State of Illinois. Only about one-third of the annual operating expenditures, however, is funded by all levels of government; two-thirds comes from private funds, contributed or earned. Thus, Field Museum is fulfilling its obligation and determination to not become an undue burden on government and, through government, on taxpayers.

One program funded by the National Endowment for the Humanities is "The Learning Museum," new this biennium. A three-year sequence of educational opportunities focusing on the exhibits and collections, it has met with great success. This program provides a comprehensive course of study: a lecture course, a special event, and a workshop. For example, "Through Chinese Eyes" in 1980 involved 220 persons in a six-week course, 6,000 in an all-day festival at the Museum, and 30 in a limited-enrollment seminar. "The Learning Museum" sequence began with "China: A Deeper Look" in October, 1979. Other courses of study were "South Sea Islands: Paradise and Perdition," "Animals in Human Perspective," and "Columbia: Context, Conquest, and Gold."

Other adult education courses have been growing in popularity. Devoted to seminar-like presentations through a number of sessions, subjects have included "The Nature of Evolution," "Oceanography," "Psychoactive Plants of South American Cultures," "Scientific Illustration," and "Introductory Egyptian Hieroglyphics," as well as "Conversations with Field Museum Scientists." Courses are taught by staff and guest faculty and derive from Field Museum's four areas of basic research. From 849 adults enrolled in 1976, the total grew to 1,851 in 1980.

The Department of Education's Public Programs Division offers a variety of educational experiences to members and nonmembers alike, many free with admission. During the past two years, 73,694 persons attended 120 free programs, including Edward E. Ayer film lectures and full-day festivals devoted to China, South America, and the American Indian. Seventy-four paid programs attracted 10,985 persons to such presentations as Anthropology Film Festivals II and III and "Aspects of the Peking Opera."

In the Ray M. Kroc Environmental Program, 4,364 people took 125 field trips led by one or more specialists in biology, geology, or ecology to such locales as Indiana Dunes, Starved Rock, Volo Bog, Nelson Lake Marsh, and Goose Lake Prairie.

In 1979, children's summer workshops were started for ages 5 to 12. The program brings the Museum's halls to life through films, tours, and crafts. For example, children can listen to African music, make a flute, and play it themselves. In 1979, 308 children attended, and in 1980, the number increased to 667.

The Group Programs Division of the Department of Education also provides tours related to school curricula, workshops, and lends materials free of charge to the Chicago metropolitan community and beyond. In 1979-1980, a total of 404,349 students in 8,396 groups visited the Museum. Teachers called at the Museum for 1,068 sets of objects for classroom use, and through the Harris Extension Loan Program, exhibit cases were delivered to 360 schools, both public and private. Each school received 10 cases each year.

A new program to acquaint teachers with the use of the Museum was started in Fall, 1980, under a grant from the National Endowment for the Arts. As part of their student-teaching experience, 12 students from Northeastern Illinois University attended classes at the Museum and planned and led tours.

Children in a summer workshop learn about the food and customs of many lands.

L. Belmont photo

Students in an adult course collect fossiliferous concretions from a shale bank along Mazon Creek. *G. Baird photo*



In May, 1980, critic Franz Schulze observed in *Art News*, "No local institution has run up a more impressive schedule of large scale exhibitions lately than the grand old Field Museum of Natural History."

During the past two years Field Museum was host to a number of outstanding traveling exhibitions organized by other museums, produced one permanent and two traveling exhibitions, and commenced work on exhibitions to open in 1982 and 1983.

"Treasures of Cyprus," an exhibit of 150 stone bowls, pottery, and other objects, reflected 8,000 years of Cypriot art and culture. Organized by the Smithsonian Institution Traveling Exhibition Service, this exhibit was sponsored by the government of Cyprus.

"The Art of Being Huichol," an exhibit of 150 costumes, votive objects, embroidery, beadwork, and yarn painting, revealed the art of these Indians of Mexico's northwest mountains from the turn of the century to the present. This exhibit was organized by the Fine Arts Museum of San Francisco.

"Image and Life: 50,000 Years of Japanese Prehistory" presented the oldest pottery in the world, some 100 decorative and utilitarian artifacts, including an 18,000-year-old figurine. This exhibit was organized by the University of British Columbia Museum.

"Gold of El Dorado: The Heritage of Colombia" put on display more than 500 golden weapons, hunting and fishing gear, cooking utensils, musical instruments, and other artifacts associated with the mythical El Dorado of Colombia. Organized by the American Museum of Natural History, the national tour was sponsored by Chemical Bank, with support from the National Endowment for the Arts and the National Endowment for the Humanities.

"The Great Bronze Age of China: An Exhibition from the People's Republic of China" drew 258,713 viewers through its 10-week stay. It contained 86 bronze ritual wine cups and food vessels of a quality never surpassed by any Bronze Age civilization, 11 exquisite jade sculptures, and eight terra-cotta figures from the spectacular 7,000-soldier burial army of the First Emperor of China. The exhibit was organized by the Metropolitan

Museum of Art, and its national tour was made possible by grants from the Coca-Cola Company, the National Endowment for the Humanities, and the Robert Wood Johnson, Jr., Charitable Trust.

With the aid of the Museum staff, WTTW-TV, Channel 11, produced a half-hour documentary, "The Silent Army," on "The Great Bronze Age of China" exhibit for showing in Chicago and the other cities to which it went on tour.

For its outstanding work in informing the public about this exhibit, the Museum's Public Relations Division was awarded the Publicity Club of Chicago's highest honor. The informational campaign also drew the help of Chicago businesses and corporations. Foster & Kleiser and the Willett Corporation provided billboard space, and displays were set up in such stores as Tiffany, Gucci, and Lord & Taylor. The Coca-Cola Bottling Company in Chicago produced one million hand-outs for homes and hotels and, among other help, funded an educational supplement for area schools in the *Chicago Tribune*.

"The Great Bronze Age of China: An Exhibition from the People's Republic of China" displays recently excavated terra-cotta soldiers.
R. Testa photo

Chai Zemin, People's Republic ambassador to the United States, pauses on his Museum tour to see a model for the exhibit. *R. Testa photo*



Field Museum's own anthropology collections provided materials for three well-received exhibitions organized by Museum staff. Two of these exhibitions were circulated to other museums.

"Feather Arts: Beauty, Wealth, and Spirit from Five Continents" covered some 1,000 years. All but three of the 260 objects were drawn from Field Museum collections and included such items as an ancient Peruvian mantle, feather baskets, and a tribal headdress from the Amazon Basin. Most of the objects had been collected prior to 1920; many came from the Museum's Fuller Collection of Oceania; most had never been displayed. Phyllis Rabineau, Custodian of Collections, Department of Anthropology, organized this traveling exhibit, which was funded in part by a grant from Mr. and Mrs. Theodore Van Zelst, also donors of a collection of Brazilian featherwork.

"Inro, Shrines and Netsuke: The Art Lacquer of Japan," was installed permanently in Hall 32. The Inro and miniature shrines were drawn from a gift of John Woodworth Leslie, and from the collection donated by Commander and Mrs. G. E. Boone. Thirty-five pieces were loaned by another Chicago-area collector. Dr. Bennet Bronson, Associate Curator, Asiatic Archaeology and Ethnology, organized the exhibit with assistance from Carolyn Moore, a volunteer and member of the Women's Board.

Another volunteer, Anne Leonard, helped bring about a second traveling exhibition, "Patterns of Paradise," organized by Dr. John Terrell, Associate Curator, Oceanic Archaeology and Ethnology. Mrs. Leonard earlier had arranged a Members' Night exhibit of tapa cloth (made from bark), and its success prompted development of what was probably the first major museum display of the dramatic art of tapa-making. The exhibit also was a survey of the people and culture of the South Seas. Field Museum specimens formed the bulk of the exhibition and were augmented by loans from the Honolulu Academy of Arts, The Mission House Museum (Honolulu), the Logan Museum, and the Smithsonian Institution. The exhibit was made possible, in part, by grants from the National Endowment for the Arts.

Curators and exhibition staff are also preparing for two other major exhibits.

"Maritime Peoples of the Arctic and Northwest Coast" will show objects of the Northwest Coast Indians and Alaskan Eskimos, some of which were first presented at the World's Columbian Exposition of 1893. Supported in part by grants from the National Endowment for the Humanities, the Robert R. McCormick Trust, the Frederick Henry Prince Trust, and National Endowment for the Arts, this permanent exhibit will open in 1982. In 1979, the Museum received a grant from the National Endowment for the Humanities to plan for the traveling exhibit, "Imperial Treasures of Tiwanaku." To open at Field Museum in 1983, this exhibit will display treasures of a pre-Inca empire from Bolivia.

In 1980, a traveling exhibit developed by Field Museum in 1975 was permanently installed in a new museum in Guayaquil, Ecuador. "Ancient Ecuador: Culture, Clay and Creativity" displays the earliest known ceramics in the Western Hemisphere.

Among the awards earned by our exhibits during the past two years, "Feather Arts" and "Patterns of Paradise" were singled out as among the best in exhibition design by *Print Casebook*. Designers were Clifford Abrams and Donald R. Skinner. "Patterns of Paradise" also was selected for inclusion in the *Chicago 80 Annual*, published by the Chicago Communications Collaborative. The Chicago Book Clinic honored Abrams for his design of the "Feather Arts" catalogue and Donald Emery for the catalogue of "Patterns of Paradise." The Society of Typographic Arts selected a poster prepared by Edward Bedno, of the Department of Exhibition, for the Museum's anthropology internship program as one of the 100 best graphic designs in the United States in 1979.

In 1980, Donald R. Skinner was named Acting Chairman, Department of Exhibition, succeeding Mr. Bedno, who became Chief, Exhibits and Presentations Division, National Air and Space Museum, Smithsonian Institution.

Preparator Daniel Weinstock positions a mount for the exhibit of feather arts. C. Abrams photo

"Patterns of Paradise" shows examples of tapa, or bark-cloth, mostly drawn from the Museum's collections. R. Testa photo



Field Museum is internationally known for scientific research in the fields of anthropology, botany, geology, and zoology, for enormous research collections, for scientific publications, and through the personal reputations of the scientific staff.

During the past two years, Field Museum's collections of more than 13.5 million specimens were enlarged by 229,672. These specimens came to us through purchase, transfer, bequests, gifts, exchanges with other institutions, and staff fieldwork. Three significant transfers were received which complement, or extend, the Museum's collections in important areas. From the University of Chicago came 100,000 stone tools that had been excavated in South Africa and dated to as much as 120,000 to 130,000 years ago. From Oregon State University came 53 specimens from a prehistoric site in Uganda that pertain to a central African stone-working tradition. From Princeton University came a collection of 12,986 birds, representing most of the families of birds in the world and ranging from species that are currently extinct to those that are very common. This collection includes specimens from the 1880s, helpful in the study of change.

Several major gifts are helping the Museum lay the groundwork for a fine Japanese collection and are extending the Chinese holdings. John Woodworth Leslie gave 273 Japanese objects, mostly lacquerwares of the 18th and 19th centuries; Commander and Mrs. G. E. Boone gave 80 Japanese and Chinese objects; Hisazo Nagatani gave 66 Japanese and Chinese pieces, including a systematic collection of *hikite*, decorative door pulls; Caroline F. Bieber gave 406 embroidered Chinese folk textiles and textile samples acquired in the late 1930s; and the Kellogg Foundation gave 27 Chinese objects, including four 7th-8th century (T'ang Dynasty) ceramic horses.

Field Museum also received 24 superb specimens of Navajo textile art, rugs, and blankets from the collection of Dr. and Mrs. Karl A. Menninger of Topeka, Kansas. Their gift of 20th-century weavings complements the Museum's holdings from the 19th century.

From staff fieldwork came 5,000 specimens of the Tasmanian liverwort flora obtained by Dr. John Engel. Collections of

the Tasmanian mosslike plants are found in few herbaria.

Major gifts to the Department of Geology included 3,553 mineral specimens, perfect crystals mounted for viewing, from the estate of Dr. Henry English.

The Library added 3,825 titles, bringing its total holdings to 201,000 volumes.

Preservation of collections is a major Museum responsibility. In 1980, the Department of Anthropology completed a move of some 250,000 objects into a central, four-story space that had been constructed in the southeast lightwell during the decade of modernization. This storage area is well protected by sprinkler and security systems. Beginning in Spring, 1980, modernization was begun on the former storage space, under a grant from the National Science Foundation.

Among the last of the major benefits of the modernization program was the creation of a new library facility for the Department of Botany and the beginning of construction of a rare book room for the Library itself, the latter to be dedicated to the late Mrs. Clive Runnells, a benefactor of Field Museum.

Additional office and laboratory space for bird and mammal divisions, and increased utility and security of the specimens, was provided by the Ellen Thorne Smith Bird and Mammal Study Center. In 1980, this Center was dedicated in memory of Mrs. Smith, founder and first president of the Field Museum Women's Board. The Center was made possible by a gift from Mrs. Smith's husband, Hermon Dunlap Smith.

The collections were used by more than 5,000 professionals, students, and other visitors during the past two years. More than 1,900 visitors to the Library reading room made use of 11,650 volumes. In 1980, Field Museum made 615 loans of 61,962 specimens.

Technical assistants Anna Campoli (front) and Jan DiGirolamo prepare textiles for storage in Department of Anthropology project.
L. Belmont photo

Dr. and Mrs. Karl Menninger, contributors of Navajo textile art. *L. Webber photo*



The work of Field Museum's scientific staff leads to scientific progress, and the data and new understanding flow into the world of science through publications, seminars, and lectures. At Field Museum, as shown, information reaches the public through school-related and public-related programs and special and permanent exhibits.

The professional scientific staff consists of 34 members, with a supporting staff of about 50. During the past two years, Museum staff members published 124 scientific books and papers, including those appearing in *Fieldiana*, the house journal published in four series. *Fieldiana* had 21 titles amounting to 3,381 pages.

Fieldwork took staff members to 64 locations throughout the world in 1979-1980. In addition to the United States, they were in Antarctica, Argentina, Australia, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Ecuador, Egypt, England, France, Germany, India, Indonesia, Mexico, New Guinea, New Zealand, Panama, Peru, Sweden, Switzerland, Thailand, Venezuela, Wales, and Western Samoa. Today, fieldwork is oriented to research projects rather than to indiscriminate collecting. Some examples of research projects follow:

Drs. Michael E. Moseley and Robert A. Feldman, of the Department of Anthropology, discovered that ancient farmers along Peru's desert north coast made use of canals 2,000 to 3,000 years ago to cultivate 400 percent more land than currently is being cultivated. Dr. Timothy Plowman, of the Department of Botany, who led an expedition in Brazil, is investigating the useful plants of the upper Amazon Basin, including the natural sources of coca and cocaine. Dr. Edward J. Olsen, of the Department of Geology, is investigating the physical and chemical processes that have affected one type of meteorite: they may be related to a supernova explosion that possibly triggered formation of the solar system. Dr. John Fitzpatrick, with an associate from the University of South Florida, is summarizing a decade-long study of Florida Scrub Jays, birds which exhibit an advanced form of social cooperation. This study has been cited as playing a central role in increasing studies on cooperative breeding animals.

During the past two years, there have been a number of changes in the scientific departments, including retirements and

naming of new chairmen, and staff members have received a number of honors.

Retiring were: Melvin A. Traylor, Jr., who retired as Chairman of the Department of Zoology after 40 years of affiliation with the Museum, 24 as a staff member; Dr. Rupert Wenzel, who in 40 years served as Curator of Insects, Head of the Division of Insects, and Chairman of the Department of Zoology; and Henry S. Dybas, who in 39 years had served as Curator of Insects and Head of the Division of Insects. Each was named Curator Emeritus.

In other changes, Dr. Robert K. Johnson, Head of the Division of Fishes, was appointed Chairman of the Department of Zoology. Dr. Bertram G. Woodland, Curator, Petrology, became Acting Chairman of the Department of Geology after Dr. David M. Raup was appointed Dean of Science. The Department of Anthropology was reorganized to include a co-chairman system, with Dr. Bennet Bronson and Dr. Phillip Lewis serving in that capacity.

Among honors received: Dr. David M. Raup was elected a member of the National Academy of Sciences in 1979. His election was based largely on his distinguished research in quantitative paleontology and evolutionary theory. Henry S. Dybas was awarded the honorary Doctor of Science degree by Tri-State University. Dr. Edward J. Olsen received the honorary degree of Doctor of Humane Letters from Augustana College and also was awarded the Distinguished Service Medal in Antarctic Research by the Office of Polar Programs of the National Science Foundation. The award recognized his participation in the meteorite recovery program on the ice cap in 1977.

A scientific illustrator prepares a subject for *Fieldiana* drawing. L. Belmont photo

Curators emeritus: Dr. Rupert L. Wenzel, Henry S. Dybas, and Melvin A. Traylor, Jr. R. Testa photos



New programs, conferences, and special projects in 1979–1980 reflected the vigor of Field Museum in carrying out research and post-secondary education in the natural sciences.

In 1979, a Visiting Scientist Program was begun in the Department of Geology on a three-year trial basis. Established geologists and paleontologists are invited to work at the Museum for a period of a few weeks to several months. They are chosen on the basis of accomplishment in research, their interest in using the Museum collections, and their potential for collaboration with scientists at the Museum and in other Chicago institutions. During these first two years, 10 visiting scientists have taken part, and their presence has been stimulating and helpful.

Some highlights of the program: Professor John A. Chamberlain, of the City University of New York, spent five months at the Museum studying the propulsion mechanisms in the living pearly nautilus—important to geology and paleontology because the nautilus is the only close living relative of a vast extinct group of swimming mollusks. His project was undertaken in cooperation with Shedd Aquarium. Professor Armand de Ricqlès of the University of Paris, a paleohistologist of worldwide reputation, spent three months working with the Museum's collection of microscope slides of bone of extinct reptiles, in collaboration with Dr. John R. Bolt.

Adjunct Professor Jarmila Kukalova-Peck, of Carleton University, Ottawa, spent four weeks working on the collection of fossil insects. She contributed to the research on the unique Coal Age fossils of Mazon Creek, Illinois, for which Field Museum is well known.

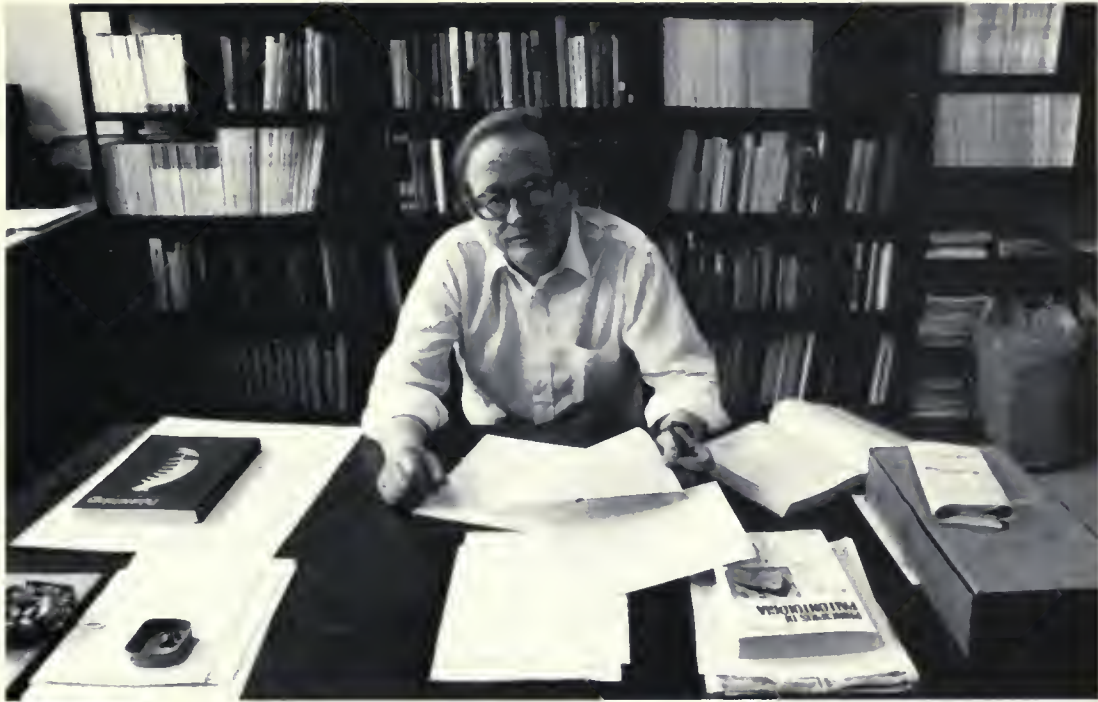
Chicago is a center of activity for the study of evolutionary biology and, in October, 1980, Field Museum was host to the "Macroevolution Conference." About 160 professionals and advanced graduate students, the majority from elsewhere in the United States and from several European countries, met for four days. *The New York Times* noted that the group "... included nearly all of the leading evolutionists in paleontology, population genetics, taxonomy and related fields." The meeting was described in a review in the November 21, 1980, issue of *Science* as "... one of the most important conferences on evolutionary biology for more than 30 years."

In 1979–1980, the second and third Systematics Symposia also were held at the Museum. The topics were "The Origins and Maintenance of Diversity" and "Biotic Crises in Ecological and Evolutionary Time." Speakers included Field Museum curators as well as scientists from institutions ranging from the American Museum of Natural History and Harvard University to the University of Chicago and the University of California.

An important element of Field Museum as a research center is its interaction with neighboring institutions. Museum staff members teach at the University of Chicago, Northwestern University, and other local universities, and several regular courses of these universities are taught largely at Field Museum. Graduate students do dissertation research at the Museum, and university faculty members conduct collaborative research with Museum curators. Many of these interactions are functions of the Museum's Center for Advanced Studies. Such educational programs and special scientific projects are under the direction of Dr. David M. Raup, Dean of Science.

Dr. David M. Raup, newly appointed Dean of Science, directs education programs and special scientific projects. *L. Belmont photo*

Volunteer Martha Frey, a Vassar College student in Chinese and economics, catalogues Chinese coins. *L. Belmont photo*



Membership interest and participation grew during the biennium. Membership activities included special exhibit previews, dinner lectures, field trips, adult evening study courses, and participation in the annual, behind-the-scenes Members' Nights. To keep members informed of programs, and of activities of the scientific staff, 22 issues of the *Field Museum of Natural History Bulletin* were published during the past two years.

A special service also was developed — the Tours Division of the Department of Planning and Development. Led by professionals in scientific fields, most frequently curators, the 1979-1980 international tours included Egypt, China, Antarctica, Peru, Russia, and Greece. Domestic tours included a Colorado River rafting trip, a study of Illinois archaeology at a site near Kampsville, and a geology trip to Baraboo, Wisconsin.

Volunteers are everywhere in Field Museum, and every day they help make the programs work, the research go forward, and the collections useful. Much of the enjoyment of members and visitors is due in large part to the work of dedicated volunteers.

During 1979-1980, 395 volunteers contributed 99,323 hours — the equivalent of 57 person-years. In 1980 alone, 13 individuals each gave more than 500 hours of volunteer service. Some areas where they made their contributions were anthropology, photography, botany, education, exhibition, geology, zoology, library, membership, public relations, and publications. Their skills and expertise were employed in a wide range of services — cataloguing new acquisitions, conserving textiles, helping to arrange exhibits, collating, identifying specimens, reorganizing collections, typing, editing and writing, aiding in instruction, filing, and maintenance.

Volunteers are very much in evidence at major exhibits: 60 volunteers manned strategic areas for "Gold of El Dorado," and 105 performed this task for "The Great Bronze Age of China." Volunteers are the reason for the great acceptance of the participatory, permanent exhibits, "The Place for Wonder" and "Pawnee Earth Lodge." Over the past two years, volunteers provided programs in these areas for 446,804 visitors.

On weekends, when the Museum is heavily visited, 27 volunteers who have full-time

jobs share their free time with the Museum. They are important facilitators of the self-designed "Discovery Program" and contribute greatly to its success and the visitors' enriching experience. These volunteers presented 1,167 of these programs to 23,542 visitors during the past two years.

Field Museum's volunteer program is recognized for its structure and emphasis on continuing adult education based on the opportunity for working under the direction of Museum staff and for personal growth. Once a year, the Museum holds a buffet dinner to honor and thank the volunteers who contribute so much to the institution. In 1979, Sol Gurewitz was honored for 18 years of service, during which he made many contributions to the work of the Department of Anthropology, most recently in photographing old collections. In 1980, Dr. Elizabeth-Louise Girardi was recognized for her contributions as a volunteer in the Department of Zoology.

Museum members tour Egypt, taking advantage of a rare opportunity for an in-depth visit to treasures along the Nile. *J. Swartchild photo*

Volunteer Louise Neuert prepares Tlingit leggings for display in forthcoming exhibit devoted to Northwest Coast Indians and Eskimos. *L. Belmont photo*



President E. Leland Webber, President-Designate Dr. Willard L. Boyd, Board Chairman William G. Swartchild, Jr., and Director Lorin I. Nevling, Jr. *J. Swartchild, R. Testa photos*

Mrs. Robert Wells Carton, President of the Women's Board, greets visitors to reception for Ambassador Chai Zemin; Thomas R. Sanders, Vice President, Development. *J. Swartchild, R. Testa photos*

Remick McDowell, James L. Palmer, Norman W. Nelson, and John C. Murphy with actress Helen Hayes, a friend of the Museum. *R. Testa, D. Walsten photos*

Some 1,000 people—Staff, Trustees, Women's Board members, and Volunteers—are currently planning for Field Museum's future, gaining it support, maintaining its facilities and programs, and using its resources creatively in the service of science and education. Along with the Donors, and building on the work of earlier stewards, these people have helped prepare Field Museum for the new decade.

At the close of 1980, three members of the Women's Board also were members of the Board of Trustees, 13 served on Trustee committees, and many more served as Volunteers. In Spring, 1980, Mrs. Robert Wells Carton was elected President of the Women's Board and Trustee, succeeding Mrs. Edward F. Swift. During the past two years, among the Board's activities was the dedication of the Ellen Thorne Smith Bird and Mammal Study Center and two bird habitat groups. (Mrs. Smith was the Founder of the Women's Board.) In May, 1980, the Board completed a project in matching a grant from the National Endowment for the Arts for equipping the anthropology department's textile laboratory.

Among other significant events was the re-election of William G. Swartchild, Jr., as Chairman of the Board of Trustees. Blaine J. Yarrington became Treasurer, succeeding Edward Byron Smith. The Board committees, employing an alternating schedule of two-year chairmanships, named the following individuals to head committees in 1980: Robert O. Bass, Chairman of Resource Planning and Development; and George R. Baker, Chairman of Internal Affairs.

Harry O. Bercher, Paul W. Goodrich, and William H. Mitchell were elected Life Trustees in 1980. Mr. Mitchell had completed 52 years as an active Trustee at the time of his election as Life Trustee.

During the biennium, the Board of Trustees and Field Museum marked with sorrow the deaths of Life Trustees Remick McDowell, James L. Palmer, John T. Pirie, Jr., and Donald Richards. Mr. Palmer was President of Field Museum, 1964–1969; and Mr. McDowell was President, 1969–1974. Both gave unstintingly of their time and energies during crucial periods in the Museum's history.

In November, 1979, after serving the Museum for 14 years, Norman W. Nelson, Assistant Director, Administration, retired. His responsibilities had included overseeing of renovation of the building.



With the growing involvement of individuals, corporations, and foundations, Field Museum has been operating its highly successful "Commitment to Distinction" fund-raising campaign since 1976, based on five-year budget projections. The 1976-1980 goal of \$10.8 million was successfully achieved and exceeded when a total of \$11,505,022 in gifts and pledges was realized.

Since its inauguration by a forward-looking Board of Trustees, the "Commitment to Distinction" program has bridged the annual income gap, saving the Museum from indebtedness and deficit spending. Its success is owed to a group of outstanding Chicago businessmen as well as to dedicated and generous individuals.

At the head of the Resource Planning and Development Committee, Robert O. Bass, Vice Chairman of the Borg-Warner Corporation, has pioneered as coordinator of the Museum's fund-raising efforts through a selfless commitment of personal time and business acumen. The increasing strength of the Corporate and Foundation Gifts Division is attributable to the dedicated efforts of its chairman, Stanton R. Cook, President, Tribune-Company. He enlisted a team of 40 corporate executives, and this division brought nearly \$2.5 million to Field Museum during 1979 and 1980. The Individual Gifts Division, with the vigorous leadership of Gordon Bent, partner of Bacon, Whipple and Company, raised almost \$2 million during this period.

The result of this coordinated effort was the securing of \$4,456,953 during the biennium. Approximately 450 corporations and more than 4,500 Museum members, who contributed above their dues, gave through annual support. The Museum wishes to cite the following donors for exceptional generosity:

Benefactors: Charles Chacey Kuehn (bequest), John W. Leslie (bequest), Harold L. Stuart Trust, Amoco Foundation, Chicago Community Trust, The Joyce Foundation, John D. & Catherine T. MacArthur Foundation, Robert R. McCormick Charitable Trust, Frederick Henry Prince Testamentary Trust, and an anonymous donor.

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During this period, the Board of Trustees approved a new "Bequests and Deferred Giving Program." The Joyce Foundation of Chicago awarded a two-year grant to subsidize this effort through the Department of Planning and Development. An integral part of "Commitment to Distinction," the new program is designed to increase the Museum's endowment fund. Long established as the base of Field Museum's financial strength, the endowment funds were increased by \$855,339 in 1979-1980 through gifts and bequests of generous donors who wished to help ensure the Museum's future.

Looking toward Field Museum's centennial in 1993, the indications are that the new decade will be marked by progress in development of scientific and educational programs as well as by the necessity to meet problems of inflation and rising costs.

Over the past two years, it has become apparent that many families are making the Museum a part of their lives. The steady increase of participation in adult courses and the overwhelming success of the children's workshops are but two of the signs. Also, museum-goers are becoming even more interested in adding to the educational experience of their visits through participation in various programs: 30 percent of the visitors this biennium involved themselves in Museum programs, ranging from a demonstration of flint-knapping or a performance of the Royal Dancers and Musicians from the Kingdom of Bhutan to a lecture by Harvard University zoologist Stephen Jay Gould on "Human Uniqueness and Animal Nature." The three-year adult "Learning Museum" sequence is providing opportunities to experiment with new programs and new ways to interest potential participants.

In the 1980s, the highest priority is being given to developing the scientific staff and to strengthening the ties with the academic community in the Chicago area. Field Museum will build on the visiting scientist and symposia programs as well as those incorporated in the Center for Advanced Studies.

Renovation and construction inside the Museum was all but completed during 1979-1980, with the installation of barrier-free access for the handicapped, certain office and library facilities, and renovation of Hall 38, the dinosaur hall. In the face of dramatically increased costs for energy and labor, however, the need remains for added projects that would decrease the amount of energy consumed for heating and cooling the building. This problem was first addressed in 1980 when work commenced on a new roof designed to conserve energy. Also, the building's exterior needs to be restored. Field Museum's classic structure, on the National Register, requires much work, using new preservation methods, at a cost estimated at \$3 million.

The decade of the Seventies closed with the Museum presenting major traveling

exhibitions, such as "Treasures of Tutankhamun," organized by other museums and drawn from abroad; the decade of the Eighties opened with major permanent and traveling exhibits being developed from the Museum's own vast resources. Yet, much still must be done in terms of remounting a number of the earliest permanent exhibits, many of which date from the 1930s and 1940s.

In 1980, the Board of Trustees reevaluated "Commitment to Distinction" and set projected expenditures for the next five-year period, 1980-1984, of \$72.7 million, of which \$27.2 million must come from new or expanded gifts and income. In doing this, however, the Trustees gave a new thrust to the program. In addition to seeking gifts and pledges solely toward operating funds, \$10 million of the new goal was allocated specifically for capital improvements, especially renewal of permanent exhibit halls, energy conservation projects, and the restoration of the building's exterior.

Although the Board of Trustees will continue to meet goals of the present and near future through "Commitment to Distinction" grants and gifts, the support of an increasing endowment fund, built primarily through bequests and various forms of deferred giving, is critical to the enduring strength of the Museum. The active participation of Museum members in these support plans will help Field Museum meet the challenging, long-term financial requirements of its scientific and educational programs.

Financial Statement

Field Museum of Natural History
Statement of Revenues and Expenditures — Current Funds
Years ended December 31, 1980 and 1979

| | 1980 | | | |
|--|-------------------|---------------------|------------|---------------------|
| | Operating fund | Restricted funds | Total | Percent of total |
| Source of revenues: | | | | |
| Public funds — | | | | |
| Chicago Park District tax collections | \$ 2,337,274 | | 2,337,274 | 20% |
| Government grants | 479,038 | 1,044,615 | 1,523,653 | 13 |
| Total public funds | 2,816,312 | 1,044,615 | 3,860,927 | 33 |
| Private funds — | | | | |
| Investment revenues availed of for operations: | | | | |
| Pooled security investments | 1,440,536 | 271,551 | 1,712,087 | 15 |
| Securities of individual funds | 437,541 | 133,412 | 570,953 | 5 |
| Total investment revenues | 1,878,077 | 404,963 | 2,283,040 | 20 |
| Unrestricted contributions | 1,461,609 | | 1,461,609 | 13 |
| Memberships | 517,829 | | 517,829 | 4 |
| Private restricted funds availed of for operations | | 37,932 | 37,932 | 1 |
| Total contributed revenues | 1,979,438 | 37,932 | 2,017,370 | 18 |
| Earned: | | | | |
| Admissions | 898,011 | | 898,011 | 8 |
| Museum shops, cafeteria and tours | 2,115,412 | | 2,115,412 | 18 |
| Other | 382,837 | | 382,837 | 3 |
| Total earned revenues | 3,396,260 | | 3,396,260 | 29 |
| Total private funds | 7,253,775 | 442,895 | 7,696,670 | 67 |
| Total revenues | 10,070,087 | 1,487,510 | 11,557,597 | 100 |
| Operating expenditures: | | | | |
| Scientific | 1,532,045 | 669,437 | 2,201,482 | 20 |
| Education and exhibition | 1,034,813 | 741,122 | 1,775,935 | 15 |
| Publication and photography | 451,852 | 42,158 | 494,010 | 4 |
| Library | 232,537 | 24,185 | 256,722 | 2 |
| Building operations and security | 2,899,324 | 7,659 | 2,906,983 | 26 |
| Administration and development | 1,872,266 | 2,949 | 1,875,215 | 16 |
| Museum shops, cafeteria and tours | 1,995,534 | | 1,995,534 | 17 |
| Total operating expenditures | 10,018,371 | 1,487,510 | 11,505,881 | 100% |
| Revenues in excess of (less than) expenditures | \$ 51,716 | — | 51,716 | |

1979

| Operating fund | Commitment to Distinction fund | Restricted funds | Total | Percent of total |
|-------------------|--------------------------------------|---------------------|-----------|---------------------|
| \$2,086,296 | | | 2,086,296 | 22% |
| 448,392 | 254,540 | 494,188 | 1,197,120 | 13 |
| 2,534,688 | 254,540 | 494,188 | 3,283,416 | 35 |
| 1,377,896 | | 239,058 | 1,616,954 | 17 |
| 292,748 | | 124,953 | 417,701 | 4 |
| 1,670,644 | | 364,011 | 2,034,655 | 21 |
| 1,377,984 | | | 1,377,984 | 15 |
| 458,744 | | | 458,744 | 5 |
| | | 147,799 | 147,799 | 2 |
| 1,836,728 | | 147,799 | 1,984,527 | 22 |
| 454,778 | | | 454,778 | 5 |
| 1,297,939 | | | 1,297,939 | 14 |
| 239,239 | | | 239,239 | 3 |
| 1,991,956 | | | 1,991,956 | 22 |
| 5,499,328 | | 511,810 | 6,011,138 | 65 |
| 8,034,016 | 254,540 | 1,005,998 | 9,294,554 | 100 |
| 1,385,508 | | 516,560 | 1,902,068 | 21 |
| 694,155 | | 415,565 | 1,109,720 | 12 |
| 432,482 | | 24,033 | 456,515 | 5 |
| 208,326 | | 19,097 | 227,423 | 3 |
| 2,340,683 | | 4,265 | 2,344,948 | 26 |
| 1,639,603 | | 26,478 | 1,666,081 | 18 |
| 1,357,030 | | | 1,357,030 | 15 |
| 8,057,787 | | 1,005,998 | 9,063,785 | 100% |
| \$(23,771) | 254,540 | — | 230,769 | |

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Julie Ahern
Bruce Ahlborn
John Ahrens
Victor Alginin
Mary Allan
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Cleo Anderson
Robert Anderson
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"All the things in this enormous building — and all the people studying them — tell us much about life's past and present. But many scientists think that the real importance of a museum lies in giving us some hint of the future.

"They believe that museums provide bed-rock research for other scientific fields — in medical research, for example, where an exact identification of an insect parasite may be essential in learning how a disease spreads. The thousands of plants and animals not yet discovered, described, or studied may hold the key to many biological puzzles and provide unexpected economic and social benefits.

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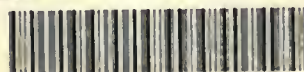
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